

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. TAN-2-1495.01US	SERIAL NO. 09/778,474
	APPLICANT Nelson et al.	
	FILING DATE February 7, 2001	GROUP 2619

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,742,498	06/1973	Dunn			
		4,577,316	03/1986	Schiff			
		4,599,733	07/1986	Gutleber			
		4,642,806	02/1987	Hewitt et al.			
		4,675,863	06/1987	Paneth et al.			
		4,817,089	03/1989	Paneth et al.			
		4,862,453	08/1989	West et al.			
		4,866,709	09/1989	West et al.			
		5,056,109	10/1991	Gilhausen et al.			
		5,103,459	04/1992	Gilhausen et al. <sup>1</sup>			
		5,130,983	07/1992	Heffner III			
		5,257,283	10/1993	Gilhausen et al.			
		5,267,262	11/1993	Wheatly III			
		5,325,394	06/1994	Bruckert			
		5,339,316	08/1994	Diepstraten			
		5,422,887	06/1995	Diepstraten et al.			
		5,446,727	08/1995	Bruckert et al.			
		5,490,136	02/1996	Sereno et al.			
		5,537,397	07/1996	Abramson			
		5,586,119	12/1996	Scribano et al.			
		5,604,730	12/1997	Tiedemann Jr.			
		5,652,764	07/1997	Kanzaki et al.			
		5,657,326	06/1997	Burns et al.			
		5,657,358	08/1997	Paneth et al.			
		5,684,794	11/1997	Lopez et al.			

EXAMINER	DATE CONSIDERED
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		5,689,502	11/1997	Scott			
		5,712,869	01/1998	Lee et al.			
		5,726,981	03/1998	Ylitervo et al.			
		5,745,484	04/1998	Scott			
		5,758,288	05/1998	Dunn et al.			
		5,802,046	09/1998	Scott			
		5,805,994	09/1998	Perrault et al.			
		5,828,662	10/1998	Jalali et al.			
		5,867,527	02/1999	Ziv et al.			
		5,892,774	04/1999	Zehavi et al.			
		5,893,035	04/1999	Chen			
		5,926,500	07/1999	Odenwalder			
		5,933,781	08/1999	Willenegger et al.			
		5,949,814	09/1999	Odenwalder et al.			
		5,959,980	09/1999	Scott			
		5,960,361	09/1999	Chen			
		5,982,760	11/1999	Chen			
		5,991,284	11/1999	Willenegger et al.			
		6,049,538	04/2000	Scott			
		6,058,338	05/2000	Agashe et al.			
		6,075,974	06/2000	Saints et al.			
		6,094,421	07/2000	Scott			
		6,094,576	07/2000	Hakkinen et al.			
		6,097,972	08/2000	Saints et al.			
		6,101,179	08/2000	Soliman			
		6,118,767	09/2000	Shen et al.			
		6,157,616	12/2000	Whitehead			
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		6,188,678	02/2001	Prescott			
		6,188,903	02/2001	Gardner et al.			
		6,201,966	03/2001	Rinne et al.			
		6,208,871	03/2001	Hall et al.			
		6,212,220	04/2001	Proctor Jr.			
		6,222,873	04/2001	Bang et al.			
		6,246,673	06/2001	Tiedemann Jr. et al.			
		6,246,715	06/2001	Park et al.			
		6,263,013	07/2001	Hendrickson			
		6,269,075	07/2001	Tran			
		6,269,088	07/2001	Masui et al.			
		6,272,354	08/2001	Saaro			
		6,275,478	08/2001	Tiedemann Jr.			
		6,301,291	10/2001	Rouphael et al.			
		6,332,008	12/2001	Giallorenzi et al.			
		6,353,645	03/2002	Solve et al.			
		6,388,997	05/2002	Scott			
		6,396,823	05/2002	Park et al.			
		6,452,913	09/2002	Proctor Jr.			
		6,466,800	10/2002	Sydon et al.			
		6,483,816	11/2002	Tsunebara et al.			
		6,501,787	12/2002	Odenwalder et al.			
		6,512,751	01/2003	Struhsaker et al.			
		6,522,639	02/2003	Kitade et al.			
		6,532,226	03/2003	Lehtinent et al.			
		6,545,994	04/2003	Nelson Jr. et al.			
		6,567,391	05/2003	Moon			
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,570,865	05/2003	Masui et al.			
		6,574,211	06/2003	Padovani et al.			
		6,647,000	11/2003	Persson et al.			
		6,717,916	04/2004	Ahn et al.			
		6,724,740	04/2004	Choi et al.			
		6,735,188	05/2004	Becker et al.			
		6,804,219	10/2004	Koo et al.			
		6,807,221	10/2004	Kim et al.			
		6,934,319	08/2005	Subramanian			
	*	6,956,840	10/2005	Proctor, Jr.			
		7,079,523	07/2006	Nelson Jr. et al.			
		2001/0030990	10/2001	Rouphael et al.			
		2001/0033558	10/2001	Matsuki			
		2001/0036200	11/2001	Nelson et al.			
		2002/0080024	06/2002	Nelson et al.			
		2002/0141478	10/2002	Ozluturk et al.			
		2004/0047328	03/2004	Proctor et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		0 773 636	05/1997	EP				
		0 910 176	04/1999	EP				
		1 018 809	12/2000	EP				
		2 326 564	12/1998	GB				
		97/46041	04/1997	WO				
		99/14869	03/1999	WO				

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							YES	NO
		99/31811	06/1999	WO				
		99/52306	10/1999	WO				
		99/63682	12/1999	WO				

## OTHER DOCUMENTS

EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		HEINE, GUNNAR, "The Air-Interface of GSM," <u>GSM Networks: Protocols, Terminology and Implementation</u> , (MA: Artech House, Inc.), 1999, Chapter 7, pp. 89-100.
		OVESJÖ, FREDRIK, "UTRA Physical Layer Description FDD Parts," European Telecommunication Standard, SMG2 UMTS Physical Layer Expert Group, XP002141421, v 0.4, June 25 1998, pp. 1-41.
		YANG, SAMUEL C., "Principles of Code Division Multiple Access," In CDMA RF System Engineering, (MA: Artech House, Inc.), 1998, Chapter 4, pp 75-103.

1 US 5,103,459 corresponds to KR 0134390.

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